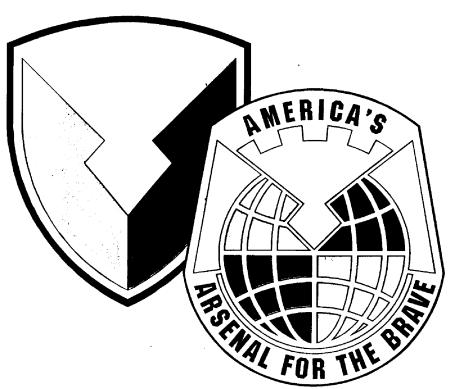
Presented by:
Brigadier General John Deyermond
DCS Ammunition

Materiel Command

Ammunition Update
to
MUNITIONS SUMMIT
15 September 1998



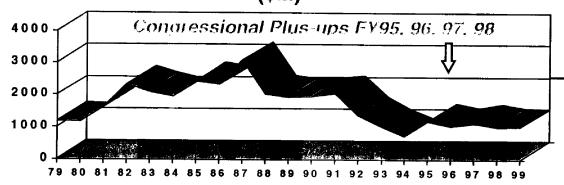
AMC - Relevant, Responsive & Ready!

Current Ammo Issues **Demil** Reduce Ammo **Optimizer AAA Study on** Mortar Costs **Reforming Ammo** Backlog Procurement 97 Completion ess Than Lethal **ProdBase Army Science** 'Ammo **Assmnt Board Look at Prod Footprint** Demil Reduction **Precision QDR** Munitions/ Logistics Decker Memo PMs as Life **Munitions Ammo** Cycle **'Rock** Review DoDIG Recommends Managers **Fuze** Drill' **Consolidation of Ammo Base Plant Contract Mgt** under DLA/CAS **HQ AMC** Reshape Land **Mines Green Ammo** Ammunition is a busy business !!!



PAA - Funding Profile

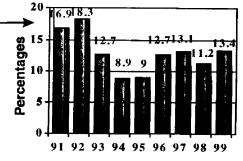
PAA Historical Trend (\$M)

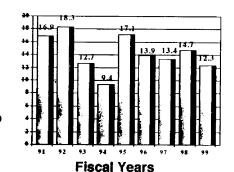


Today's Production Reflects Yesterday's Funding -

Procurement as a Percentage of Army Budget - FY98/FY99

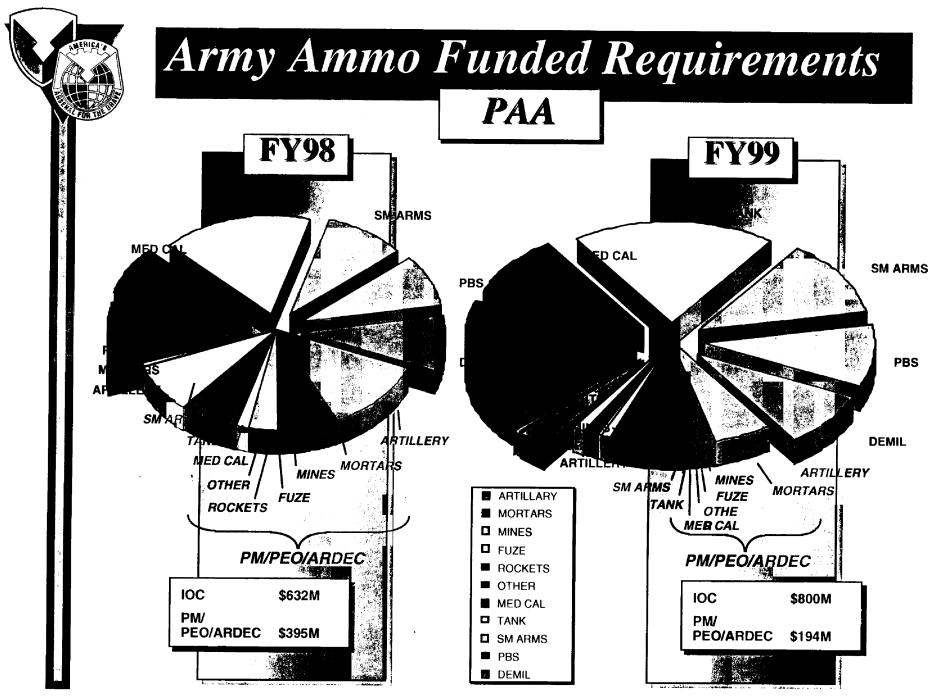
Army Budget (\$ in Millions)				
APPROPRIATION	FY98	FY99		
FAMILY HOUSING	G 1,292	1,256		
MIL PERSONNEL	25,754	26,211		
RDTE 3	4,511	4,487		
MCA	597	707		
OMA	20,656	20 ,468		
PROCUREMENT	6,752	8,373		
ERA	3 77	386		
BRAC	400	524		
	40.0			
TOTAL*	60,442	62,512		
*Totals may not add the to rounding				





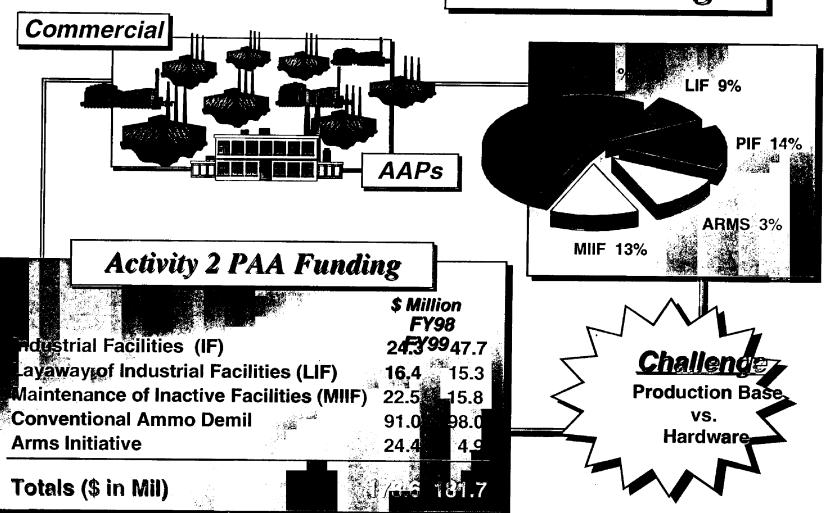
Ammunition as a Percentage of The Procurement Budget - FY98/FY99

Frocurement Appro		
<u>APPROPRIATION</u>	FY98	FY99
AIRCRAET	1323	1326
MISSIL ES	744	1206
WICV	1291	1434
AMMUNITION	1020	1009
OTHER PROCUREMEN	T _{10.8} 2563	31
TOTAL	6940	81



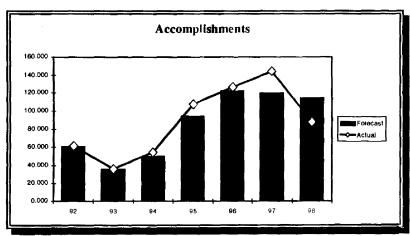


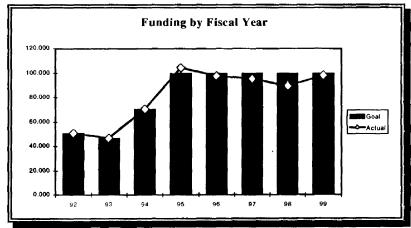
Ammunition Production Base FY98-99 Budget

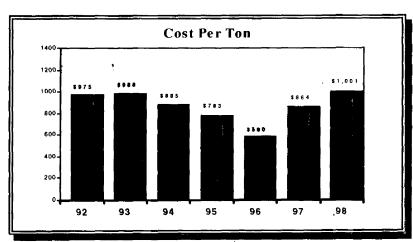




Ammunition Demilitarization Accomplished/Forecast







Note 1: Cost spike during FY97 was due to greater than normal use of incineration @ approximately \$2,000 per ton.

Note 2: Includes reimbursable projects.

(data as of 8/17/98)

Goals--

- •Continue to avoid demilitarization through direct sales, FMS, cross-leveling between services and use in training whenever possible
- •Execute a balanced program between destructive and non-destructive technologies
- Maintain a balance between government installations and the growing private industry capability
- Continue with our successes



CAWCF Closure

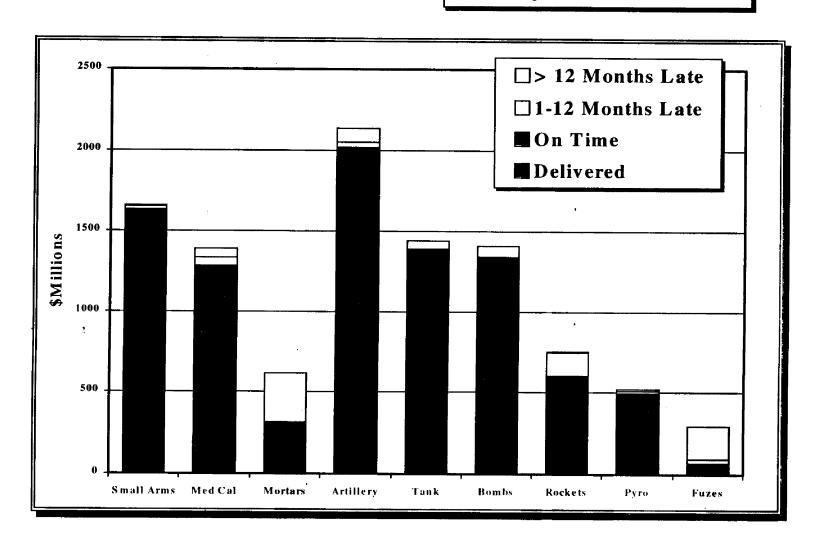
Direction/Plan

- **★** DOD Comptroller Directs CAWCF Close-out Beginning FY 99 [PBD 432, Nov 1996]
 - Separate Financial System for Ammunition Considered an Unnecessary Expense
 - ➤ Directed APIT Be Formed by OSD(A&T) To Determine Follow-on Procedures and Oversee CAWCF Closure
- * Army Develops Closure Plan
 - ➤ All Orders Delivered and Fund Closed by FY05
 - Army Audit Agency to Validate Closure Cost
 - ➤ Plan Approved by All Services & OSD in May 97
 - ✓ Fund Obligation Closely Scrutinized
 - ✓ Accurate Pricing
 - ✔ Reduce Lead Times
 - **✔** Fixed Price Contracts with Options
 - ✓ Increased Systems/Bundle Buys



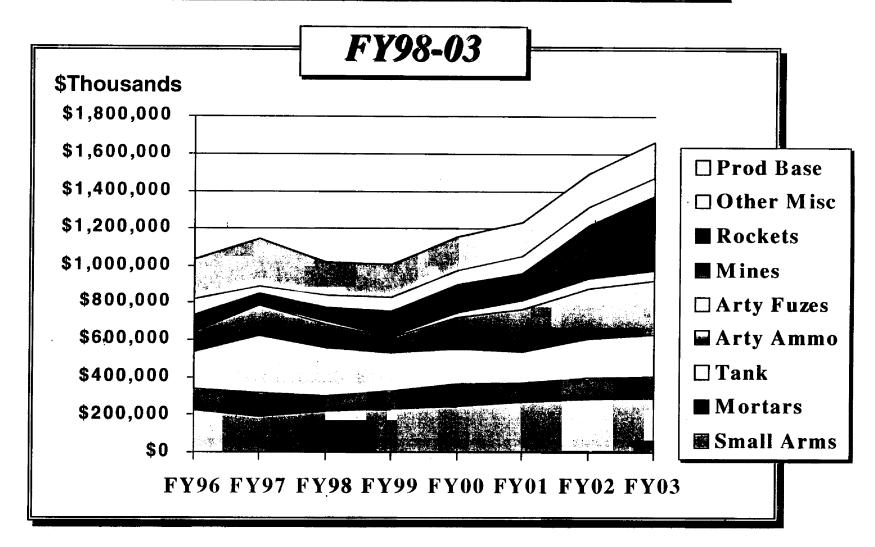
Work in Progress FY90-97 CAWCF Orders

as of 30 SEP 97





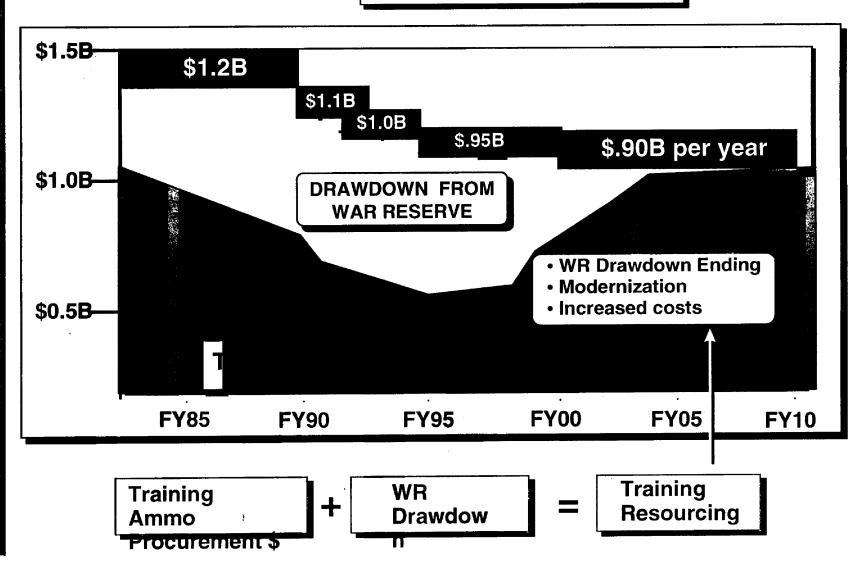
Ammunition Procurement Projection by Categories





Training Ammunition

Resource Trend





Precision Munitions/Logistics Study Broad Study Questions

- * Given the warfighting strategies of Force XXI and Army After Next, what are all logistics impacts that result in the use of precision munitions [heavy mix] versus the use of non-precision munitions [only]?
- * Given these logistics impacts, what are the resulting possible implications on Army force modernization strategy and Army force composition? What are those costs?
- * What are the true burdens (deltas in logistics) of precision munitions versus non-precision munitions across all combat, combat support, CSS force structure, and O&S? What are those costs?
- * For the decided upon scenario, time frame, and weapon mixes, determine the level of investment and cost comparisons to acquire and sustain a realistic a mix of precision munitions and non-precision munitions?



PMLS Organization

Study Sponsors
CGs AMC & TRADOC,
DA DCSLOG

Study Advisory Group

Co-chairs
AMC DCS AMMO
HQ TRADOC ADCSCD

Special Study Group Study Agency/AMC-SWMO

Study Agency/AMC-SWMO
Study Director/PM & Tech Dir.
"Integrating IPT."

Langineering and Technical Support Services Contract Support 184th IMA Det. (Acq & Log) (USAR)

Terms of
Reference
IPT Lead / USAFAS
"Working IPT"

Munitions/Mission Analysis

IPT Lead / AMSAA "Working IPT" Logistics Analysis

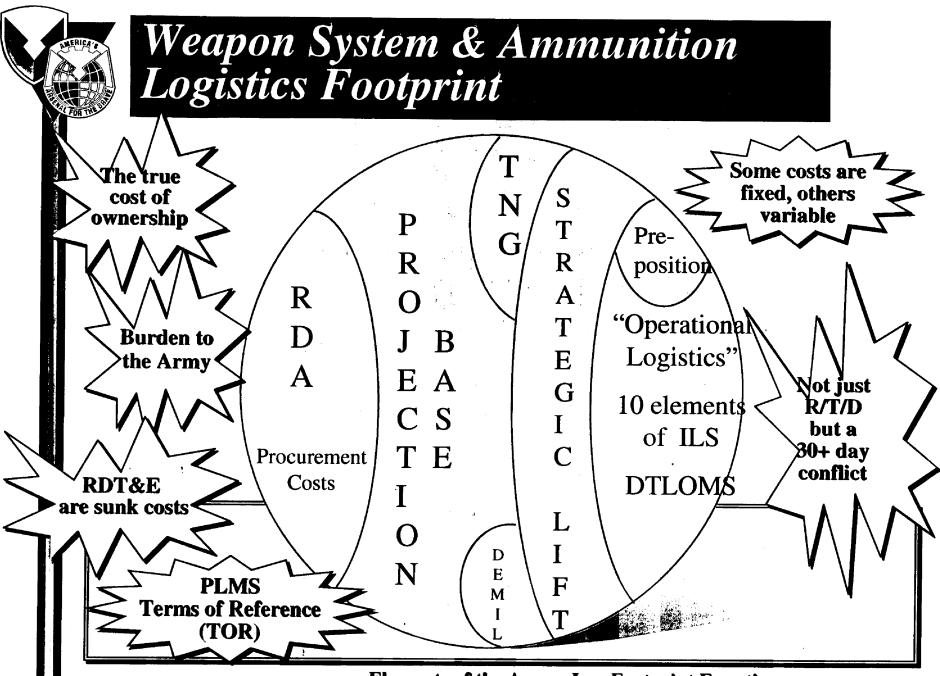
IPT Lea CASCOM & "Working IPT" **Decision Costs**

/ "cost of ownership" IOIPT Lead / AMSAA "Working IPT" Rand Arroyo FFRDC "Army Studies Program" FY99



PMLS Conventional and Precision Munition Candidates (12)

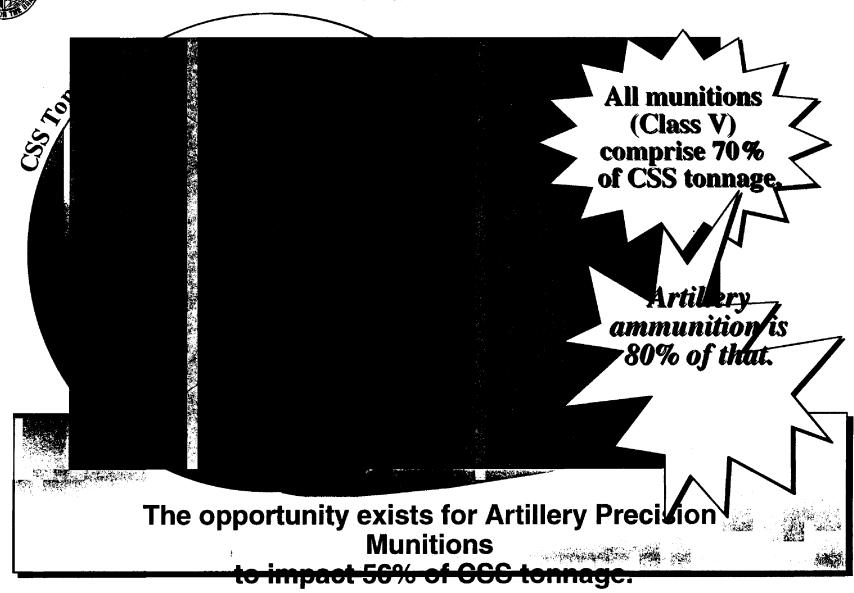
Target Description	Current / Conventional Munition	Next Generation Precision Munition	PMLS Comments/Benefits
Bunkers, soft targets	Bunker Defeat Munition	PGMM	, 120Promides urban combat capability, extends range and precision
Anti-armor	Family of 120mm tank main gun ammo		range: reastid ourvivability by engaging RM targets in defilade
All targets	155mm, DPICM base bleed, M864	ER XM982 DI	ICMmptoveRMange for counter battery
Bunkers	155mm, HE w/delay fuze	ER XM983 H	E delayed flaunker engagement
Counter Battery	155mm, DPICM	XM898 P	I SAMMARMifficient counter battery killer
All targets	155mm, DPICM	Munition (LC	Cost Competities accurate registration CM) Fultantion engagement 4 / M Reduces munition requirements
All targets but heavy armor	MLRS DPICM, XM85		ExterEbetendagange and significantly guidance Improves accuracy
Anti-armor	No current in-direct rocket launched capability	MLRS	MSTMRTAR kills ACV targets deeper Diminishes intensity of close fight Improves force survivability
All targets but heavy armor	ATACMS APAM	ATACM	S IA ORScuracy independent of range
Anti-armor and High Value targets	No current in-direct missile launched deep capability	ATACMS	I/BAK洲3/High Value targets deep, improves force survivability
Soft point targets and bunkers	Hydra 70, and sometimes Hellfire II (LSA)	· · · · · · · · · · · · · · · · · · ·	sion Ki lledhaaporo cket requirements KWS) (R§Au ces collateral damage
Heavy armor targets and	Hellfire II (LSA)	Apache Lon	gbow (Dafhah)) d platform survivability Provides all weather capability



AMONASTABANTO COMPANYERA



Most Likely Area of Impact





Precision Munitions and Logistics Study (PMLS) Synopsis

- * Quantify deltas in cost of ownership/burden to the Army between current conventional non-precision munitions and future precision munitions, across the total logistics footprint and in battlefield performance
- Draw from previous and ongoing effectiveness, warfighting, and logistic analyses (WARREQ, IOC Rock Drills, Crusader Ammunition Supply Study, etc.)
- Identify and quantify value of Revolution in Military Logistics (RML) between conventional and precision munitions
- Develop data, findings, conclusions, and recommendations for decision makers for the POM 02-07 process in FY 99



Summary

Imperatives:

- * Reduce Cost of Ammunition
 - **✓** Production
 - **✓** Storage / Maintenance
 - **✓** Demilitarization
- * Maintain Readiness
 - Replenishment Capacity

